VIA FIRST CLASS MAIL

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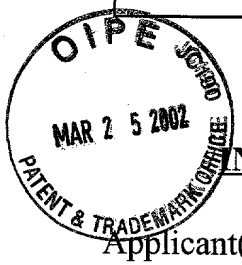
FULBRIGHT & JAWORSKI LLP

Laurie Olds 3/13/02

Signature Date

NIAD 201.3 DIV - AP/NDH (10109394)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s)	:	Myron JACOBSON et al.
Serial No.	:	09/973,451
Filed	:	October 9, 2001
For	:	GENES ENCODING SEVERAL POLY (ADP-RIBOSE) GLYCOHYDROLASE (PARG) ENZYMES, THE PROTEINS AND FRAGMENTS THEREOF, AND ANTIBODIES IMMUNOREACTIVE THEREWITH
Group	:	UNKNOWN
Examiner	:	UNKNOWN

March 13, 2002

Hon. Commissioner for Patents
and Trademarks
Washington, DC 20231

PRELIMINARY AMENDMENT

Sir:

Prior to examination, please amend this application as follows:

IN THE SPECIFICATION

Page 11, line 15: change "Ligure 16 depicts" to -- Figures 16A-D depict –.

REMARKS

The foregoing amendment is presented to address a change in the drawings.

Respectfully submitted,

FULBRIGHT & JAWORSKI L.L.P.

By _____
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Bparg 1     MSAGPGCEPCTKRPRWDAAATSPPAASDARSFPGRQRRVLDSKDAPVQFRVPPSSSGCALGRAGQERGSATSL
Eparg 1     MNAGPGCEPCTKATRWGAATTS.PAASDARSFPSRQRRVLDPKDAEVQFRVPPSSPACVPGQAGQERGSATSL
Mparg 1     MSAGPGWEPCTKA.RWGAAGTSAPIASDARSFPGRQRRVLDPKDAPVQFRVPPSSPACVSGRAGPERGSATHF
Dparg 1     ------------------------------------------------------------------------
Ceparg1     ------------------------------------------------------------------------

Bparg 74    VFKQKTITSWMDTKGIKTVESKSLESXEHHHTREESMMSSVQKDHFYQHHMEKLEHVSQLGFDKSPVEKGTQY
Eparg 73    VFKQKTITSWMDTKGIKTVESKSLDSXEHHHTREESMMSSVQKDHFYQHHVEKLVHVSQLSLDKSLTEKSTQY
Mparg 73    VFKQKTITSWMDTKGIKTVESK...SXEHHHTREESMMSSVQKDHFYPHKVEKLEHVPQLNLDKSPTEKSSQY
Dparg 1     ------------------------------------------------------------------------
Ceparg1     ------------------------------------------------------------------------

Bparg 218   LKQHQTAAMCKWQHHGPHSERLLESEPPAVTLVPEQFSHAHVDQSSPKDDHSDTNSEESRDNQQFLTHVKL..
Eparg 217   LKQHQTAAMCKWQHHGKHTEQLLESEPQTVTLVPEQFSHAHIDRSSPQNDHSDTDSEEHRDNQQFLTTVKL..
Mparg 214   LKQQQTASVCKWQHHGKHAEQLLASEPPAGTPLPKQLSHAHIGQSPETDDHSDTDHEEDRDNQQFLTPIKL..
Dparg 1     ------------------------------------------------------------------------
Ceparg1     ---------------------------------------- MSKKFIELGDPVTQDEKDYEDYVGVGFAEQVP

Bparg 298   .ANAKQTMEDEQGREARSHQKCGKACHPAEACAGCQQEETDVVSESPLSDTGSEDVGTGLKHAHRLHRQESSL
Eparg 297   .ANAKQTTEDEHAREAKSHQKCSKSCHPGEDCASCQQDEIDVVPKSPLSDVGSEDVGTGSKHDHKLIRQESCL
Mparg 291   .ANTKPTVGDGQ...ARSHCKCSGSRQSKEDCTGCQQEEVDVLPESPLSDVGAEDIGTGPKHDHKLTGQESSL
Dparg 1     ------------------------------------------------------------------------
Ceparg 33   TMKRRKLTEEGNTTESKEDPEEPKSRDVFVSSQSSDESQEDSAENPEIAKEVSENCENLTETLKISNIESLDN

Bparg 396   GHSPPFEKESEPESPMDVDNSKHSCQDSEADEETSPGFDE.QEDSSSAQTANKPSRFQPREADTELRKRSSAK
Eparg 395   GHSPPFEKESEPESPMDVDNSKHSCQDSEADEETSPGFDE.QEDGSSSQTANKPSRFQARDADIEFRKRYSTK
Mparg 387   GDSPPFEKESEPESPMDVDNSKHSCQDSEADEETSPvFDE.QEDRSS.QTANKLSSCQAREADGDLRKRYLTK
Dparg 1     MQEFRSHLIFPIFQ.KVIQS.TANRRR.ASASVL......TNRLGK...ALCLNCARMSKSPDGGISEIE...
Ceparg106   VTERSEHTLDN....HKSTEPHEE.DVNNKSHIDVAINSDEDDELVLEENHKEMRDGEQVQQLS..QDLFADD
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FIG. 16A

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Bparg  468  GGEIRLHFQFEGGESRAGMN.DVNAKRPGSTSSLNVECRNSKQEGRKDSKITDEFMRVPKAEDKRKEQCEMKH
Eparg  467  GGEVRLHFQFEGGESRTGMN.DLNAKLPGNISSLNVECRNSKQEGKKDSKITDELMRLPKAEDRRKEQWETKH
Mparg  354  GGEVRLHFQFE.GEMNAGTS.DLNAKPSGNSSSLNVECRSSKQEGKRDSKITDEFMRISKSEDRRKEQCEVRH
Dparg   59  ..TEEE.PENLANSL..DDSWRGVSMEAIHRNRQPFELENLPPVTAGNLHRVMIQLPIRET..PPR.PIKSPG
Ceparg 172  QELIEIPGIMKDTTTQLDITDSEVETAQKMEMIEETEADSTFVGEDSKATKTVRTSSSSF...LSTVSTCEAP

Bparg  540  QRTERKIPKYYPPHLSPDKKWLGTPIEEM..RRMPRCGIRLPPLRPSANHTVTIRVDLLRIGEVPK.PFPTHF
Eparg  539  QRTERKIPKYVPPELSPDKKWLGTPIEEM..RRMPRCGIRLPLLRPSANHTVTIRVDLLRAGEVPK.PFPTHY
Mparg  425  QRTERKIPKYIPPMLPPEKKWLGTPIEEM..RKMPRCGIHLPSLRPSASHTVTVRVDLLRAGEVPK.PFPTHY
Dparg  125  X..WDSEEVRLPCAPESKYPRENPDGS.TTIDFRWEMIERALLQPIKTCEELQAAIISIHTTIRDQWEFRALE
Ceparg 242  AKGRARMIQKELEKEVIAFTEGNLT.....LQPDLNKVDPDRNIRI.CTIPNFPASQG...KLRED.NRIG..

Bparg  610  KDLWDNKEVXMPCSEQNLYPVEDENGE.RAAGSRWELIQTALLHRLTRPQNLKDAILKINVAISKKWDFTALI
Eparg  609  KDLWDNKEVXMPCSEQNLYPVEDENGE.RTAGSRWELIQTALLHKFTRPQNLKDAILKINVAISKKWDFTALI
Mparg  495  KDLWDNKEVXMPCSEQNLYPVEDENGE.RTAGSRWELIQTALLHKFTRPQNLKDAILKINVAISKKWDFTALV
Dparg  196  QLLDEELDESETRVFFQSILPDMVKIALCLPNICTQPIPLLKQKMNHSITMSQEQIASLLANAFFCTFPRRNA
Ceparg 367  PKIVLPQRWRE.FDSRGRR...RDSYFYFKRKLDGILKCIKTTGYFMFVGLLH......HMWE..FDPDITIK

Bparg  682  DFWDXVLEEAEAQHLYQSILPDMVKIALCLPNICTQPIPLLKQKMNHSITMSQEQIASLLANAFFCTFPRRNA
Eparg  681  DFWDXVLEEAEAQHLYQSILPDMVKIALCLPNICTQPIPLLKQKMNHSITMSQEQIASLLANAFFCTFPRRNA
Mparg  567  DFWDXVLEEAEAQHLYQSILPDMVKIALCLPNICTQPIPLLKQKMNHSVTMSQEQIASLLANAFFCTFPRRNA
Dparg  269  .KMKSEISSYPDIHFNRLFEGRSSRKPEKLKTLFCIFRRV..TERDASNVPTGVVTFVRRSGLPEE.L.IDWS
Ceparg 424  ....LPAL.EMYYKEMSELVGREEVLEKFARVARIAKTAEDILPERIYRLVGDVE.SATLSHKQCAALVARMF

Bparg  755  .KMKSEISSYPDIHFNRLFEGRSSRKPEKLKTLFCIFRRV..TEKK....PTGLVTFIRQS.L.ED.F.PEWE
Eparg  754  .KMKSEISSYPDIHFNRLFEGRSSRKPEKLKTLFCIFRRV..TEKK....PTGLVTFIRQS.L.ED.F.PEWE
Mparg  387  .KMKSEISSYPDIHFNRLFEGRSSRKPEKLKTLFCIFRRV..TEKK....PTGLVTFIRQS.L.ED.F.PEWE
Dparg  337  QSAAPLGDVPLEVDAEGTIEDEGIGLLQVDFAHKYLGGGVLGHGCVQEEIRFVICPELLVGKLFTECLRPFEA
Ceparg 491  FA........RPDSPFS......FCRILSSDKSICVEKLKFLFTIF......DKMSMDPPDGAVSF.RLTKMD
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FIG. 16B

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Bparg  817  RCEKLL..TRLEVIYEGTIEGNGQGMLQVDFAHRFVGGGVTSAGLVQEEIRFLIHPELIVSRLFIEVLDHNEC
Eparg  816  RCEKPL..TRLEVIYEGTIEENGQGMLQVDFAHRFVGGGVTSAGLVQEEIRFLIHPELIISRLFIEVLDHNEC
Mparg  702  RCEKPL..TRLEVIYEGTIEGNGRGMLQVDFAHRFVGGGVTGAGLVQEEIRFLIHPELIVSRLFIEVLDHNEC
Dparg  410  LVMLGAERYSNYTGIAGSFEWS.....GNFEDSTP.RDSSGRRQTAIVAIDALHFA.QSHH....QYREDL
Ceparg 543  KDIFNEEW.XDXXLRSLPEVEFFDEMLIEDTAL.CTQVDFAHEHLGGGVLNHGSVQEEIRFLMCPEMMVGMLL

Bparg  888  LIITGTEQISEYTGIAETYRWA.....RSHEDRSE.RDDWQRRTTEIVAIDALHFR.RYLD....QFVPEKIR
Eparg  887  LIITGTEQISEYTGIAETYRWS.....RSHEDRSE.RDDCERRCTEIVAIDALHFR.RYLD....QFVPEKMR
Mparg  773  LIITGTEQISEYTGIAETYRWA.....RSHEDRSE.KDDWQRRCTEIVAIDALHFR.RYLD....QFVPEKVR
Dparg  472  MERELHKAYIGFVHWMVTPP..PGVATGNWGCGAFGGDSYLKALLQLMVCAQLGRPLAYYTFGNVEFRDDF
Ceparg 614  CEKMKQLEAISIVGAYVFSSYTGYGHTLKWAELQPNHSRQNTNEFRDRFGRLRVETIAIDAILFKGSKLDCQT

Bparg  951  RELHKAYCGFLRPGVSSEHLSAVATGNWGCGAFGGDARLKALIQYLAAAVAERDVVIFTFGDSELMRDIYSMH
Eparg  950  RELHKAYCGFLRPGVSSEHLSAVATGNWGCGAFGGDARLKALIQYLAAAVAERDVVIFTFGDSELMRDIYSMH
Mparg  835  RELHKAYCGFLRPGVPSEHLSAVATGNWGCGAFGGDARLKALIQYLAAAAAERDVVIFTFGDSELMRDIYSMH
Dparg  543  HEMWLLFRNDGTTVQQ.LWS.ILRSYSRLIKEKSSKEPRENKASKKKLYDFI...KEELKKVRDVPGEGAS
Ceparg 687  EQLNKANIIREMKKASIGFMSQGPKFTHIP.IVTGWWGCGAFNGDKPLKFIIQVIAAGVADRPLHFCSFGEPE

Bparg  1021 TFLTERKLTVGE.VYKLLLRYYNEECRNCSTPGP......DIKLYPFIYHAVESCTQTTNQPGQRTGA-----
Eparg  1020 IFLTERKLTVGD.VYKLLLRYYNEECRNCSTPGP......DIKLYPFIYHAVESCAETADHSGQRTGT-----
Mparg  907  TFLTERKLDVGK.VYKLLLRYYNEECRNCSTPGP......DIKLYPFIYHAVESSAETTDMPGQKAGT-----
Dparg  611  AEAGSSRVAGLGEGKSETSAKSSPELNKQPARPQITITQQSTDLLPAQLSQDNSNSSEDQALLMLSDDEEA
Ceparg 759  LAAXCKKIIERMKQKDVTLGKSCFSIFS----------------------------------------------

Bparg  1087 ----------------------------------------------------------------------
Eparg  1086 ----------------------------------------------------------------------
Mparg  969  ----------------------------------------------------------------------
Dparg  684  NAMMEAASLEAKSSVEISNSSTTSKTSSTATKSMGSGGRQLSLLEMLDTHYEKGSASKRPRKSPNCSKAEG
Ceparg 787  ----------------------------------------------------------------------
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FIG. 16C

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Bparg 1     ------------------------------------------------------------------------
Eparg 1     ------------------------------------------------------------------------
Mparg 1     ------------------------------------------------------------------------
Dparg 410   TDKDEKDDIVD
Ceparg 543  ------------------------------------------------------------------------

Bparg 101   -----------
Eparg 100   ------------------------------------------------------------------------
Mparg 97    ------------------------------------------------------------------------
Dparg 472
Ceparg 614  --------------------

Bparg 201
Eparg 200   -----------
Mparg 197   -----------
Dparg 543
Ceparg 687
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FIG. 16D